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APPLICANT : OJI PAPER CO LTD;

INVENTOR : FUJIMORI YOSHIRO;

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TITLE : EMBOSSED RELEASE PAPER AND PRODUCTION THEREOF

ABSTRACT : PROBLEM TO BE SOLVED: To prevent that air enters the gap between an selfadhesive sheet and an article to expand a surface by providing a large number of fine discontinuous recessed parts to a release treatment surface and making the opposite surface thereof smooth.

SOLUTION: At first, polyethylene is laminated to both surfaces of fine paper with a basis wt. of 110g/m² in a thickness of 20μm. Further, a silicone resin is applied to the single laminate surface to perform release treatment to obtain single-side release paper. Embossing processing is applied to the release treatment surface of the single-side release paper (moisture; 4-8%) thus obtained at 60-80°C under conditions of 1300mm width and the total pressure of 130t by using a metal carving roll with a mesh size of 65 and depth of 65μm. The emboss depth of the embossed release paper produced by this method becomes 25μm and only the release surface thereof is subjected to embossing processing. When a self-adhesive sheet is peeled from this release paper and bonded to other article, it can be prevented that air enters the gap between the self-adhesive sheet and the article to expand a surface and, since the rear surface of the release paper is smooth, excellent processing aptitude is obtained.

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